



# California Public Utilities Commission

## Agenda

### Energy Division DEER Updates Workshop

Wednesday, July 17<sup>th</sup> from 9:30 am – 4:30 pm  
Auditorium at the CPUC (505 Van Ness Ave, San Francisco)

Conference line: 1-866-621-8358  
Participant code: 6224559

GoToMeeting web conference: Meeting ID 347-980-112  
<http://www.gotomeeting.com/fec/>  
Access code: 347-980-112

This agenda provides a general guideline on the topics that will be covered in this workshop. Stakeholders will have the opportunity to ask questions throughout the workshop.

#### 9:30 Welcome & Introductions:

- the purpose of this workshop is to begin stakeholder engagement,
- to provide opportunity to review and comment on the update,
- provide transparency,
- present the DEER update approach,
- solicit comments on issues of concern.

#### 10:00 DEER2013 Updates (Break 10:45-11:00):

- only include required Codes & Standards changes that become effective in 2014; applied to 2013-14 portfolio cycle
- Update will be developed based on [DEER 2011 assumptions and methods](#)
- Adoption date and adoption actions targeting Q4 2013
- Presentation of updates and results List of topics and presenters (Jeff Hirsch, Paul Reeves, Kevin Madison)
  - 1.0 Background
    - 1.1 Summary of Model Changes based on C&S Updates
    - 1.2 Schedule
  - 2.0 Updated HVAC Measures
    - 2.1 Economizers and Two-speed fan controls on DX equipment
    - 2.2 Commercial Packaged Heat-pump equipment
    - 2.3 Chillers for Space Cooling
    - 2.4 Hot water and Steam Boilers for Space Heating



- 2.5 Electric Small Storage and Instantaneous Water Heaters
- 3.0 Updated Appliance Measures
  - 3.1 Residential Dishwashers
  - 3.2 Residential Refrigerators
- 4.0 Commercial Lighting Systems
- 5.0 Title-24 Improvements not related to Measure Definitions
- 6.0 New Weather Files for energy simulations
  - 6.1 Comparison of the CTZ2 and CZ2010 weather data files
    - Dry bulb Temperature
    - Humidity Ratio
    - Solar Radiation Comparison
  - 6.2 DEER Peak Period Definitions
  - 6.3 Impacts of New CZ2010 weather data on Energy Savings
- Submit comments or questions for update and view ED responses  
<http://www.energydataweb.com/cpuc/home.aspx>

## **12:30-1:25 Lunch Break**

### **1:30 DEER2014 Updates (Break 2:30-2:45):**

- Become effective for post-2014 portfolio applications
- Comprehensive review of the most recent research available
- Update will assess all measure results from the studies
- Adoption date and adoption actions targeting Q4 2013
- Presentation of high priority studies
- List of topics and presenters (Jeff Hirsch, Kevin Madison, Paul Reeves)
  - 1.0 Background
    - 1.1 Measure Analysis Software
    - 1.2 HVAC Interactive Effects
    - 1.3 Prototypical Building Features
    - 1.4 Building Weights
  - 2.0 Background to DEER Measure Definition
  - 3.0 DEER Update Approach
    - 3.1 Previously Retired Measures
    - 3.2 Improvements to Analysis Tools and Methodologies
    - 3.3 Workpapers for Non-DEER Measures for the 2013-2014 cycle
    - 3.4 2011 Potential and Goals Study
    - 3.5 Evaluation, Measurement and Verification Research for the 2006-2008 cycle
    - 3.6 Commercial Saturation Survey
    - 3.7 Commercial Market Share Tracking
    - 3.8 California Lightning and Appliance Saturation Study
    - 3.9 Residential/Advanced/Upstream Lighting Impact Evaluation
    - 3.10 2009 Residential Appliance Saturation Survey
    - 3.11 Business and Consumer Electronics Impact Evaluation
    - 3.12 Measure Cost Study
  - 4.0 Status of 2005 DEER Measures: 2011 Update



- 5.0 DEER Update Applicability Matrix
- Submit comments or questions for update and view ED responses  
<http://www.energydataweb.com/cpuc/home.aspx>

**3:30 Additional Updates/Suggestions:**

- Requests for other updates not included in proposal

**4:00 General Questions, Summary and Follow Up**

**4:30 Adjourn**

The initial drafts for DEER 2013 and DEER 2014 Updates are posted on the main DEER website (<http://www.deeresources.com/>) and the Energy Efficiency CPUC website (<http://www.cpuc.ca.gov/PUC/energy/energy+efficiency/>). Please prepare questions and comments when reviewing the drafts, included are a few examples:

- What are the most needed studies?
- Are there improvements that can be made for this particular study?
- What is missing in this study?
- Is this particular study needed currently?

